

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

| <u>DP NAME</u>           | <u>NUMBER</u>            | <u>DP COMPUTER CODE</u>             | <u>SUPERSEDED NUMBER</u> | <u>DATED</u>                        | <u>ACTUAL EFFECTIVE DATE</u> |
|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|------------------------------|
| LIDDS                    | FOUR                     | LIDDS4.LIDDS                        | THREE                    | 05/16/2024                          | 17 APR 2025                  |
| <u>TYPE:</u>             | <u>OBSTACLE</u>          | <u>COPTER</u>                       | <u>SID</u>               | <u>SPECIAL</u>                      | <u>RNAV</u>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                              |

**DP ROUTE DESCRIPTION:****DETROIT METRO WAYNE COUNTY (DTW):**

**TAKEOFF RWY 3L:** CLIMB ON HEADING 035.71 TO INTERCEPT COURSE 069.88 TO CROSS BESST AT OR ABOVE 2500 AND AT OR BELOW 230 KIAS, THEN ON TRACK 128.00 TO CROSS SWNDL AT OR BELOW 7000, THEN ON TRACK 126.36 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 3R:** CLIMB ON HEADING 035.71 TO INTERCEPT COURSE 064.45 TO CROSS BESST AT OR ABOVE 2500 AND AT OR BELOW 230 KIAS, THEN ON TRACK 128.00 TO CROSS SWNDL AT OR BELOW 7000, THEN ON TRACK 126.36 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 4L:** CLIMB ON HEADING 035.68 TO INTERCEPT COURSE 074.28 TO CROSS BESST AT OR ABOVE 2500 AND AT OR BELOW 230 KIAS, THEN ON TRACK 128.00 TO CROSS SWNDL AT OR BELOW 7000, THEN ON TRACK 126.36 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 4R:** CLIMB ON HEADING 035.70 TO INTERCEPT COURSE 074.29 TO CROSS BESST AT OR ABOVE 2500 AND AT OR BELOW 230 KIAS, THEN ON TRACK 128.00 TO CROSS SWNDL AT OR BELOW 7000, THEN ON TRACK 126.36 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 21L:** CLIMB ON HEADING 215.72 TO INTERCEPT COURSE 184.56 TO JOELU, THEN ON TRACK 107.88 TO CROSS YIMMY AT OR BELOW 7000, THEN ON TRACK 086.49 TO CROSS HWARD AT OR BELOW 9000, THEN ON TRACK 086.75 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 21R:** CLIMB ON HEADING 215.72 TO INTERCEPT COURSE 184.92 TO JOELU, THEN ON TRACK 107.88 TO CROSS YIMMY AT OR BELOW 7000, THEN ON TRACK 086.49 TO CROSS HWARD AT OR BELOW 9000, THEN ON TRACK 086.75 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 22L:** CLIMB ON HEADING 215.71 TO INTERCEPT COURSE 179.22 TO JOELU, THEN ON TRACK 107.88 TO CROSS YIMMY AT OR BELOW 7000, THEN ON TRACK 086.49 TO CROSS HWARD AT OR BELOW 9000, THEN ON TRACK 086.75 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 22R:** CLIMB ON HEADING 215.69 TO INTERCEPT COURSE 175.77 TO JOELU, THEN ON TRACK 107.88 TO CROSS YIMMY AT OR BELOW 7000, THEN ON TRACK 086.49 TO CROSS HWARD AT OR BELOW 9000, THEN ON TRACK 086.75 TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 27L:** CLIMB ON HEADING 275.73 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 27R:** CLIMB ON HEADING 275.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THENCE...

...ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN 17000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**WILLOW RUN (YIP):**

**TAKEOFF RWY 5:** CLIMB ON HEADING 052.70 TO 1220, THEN ON HEADING 300.00 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 9:** CLIMB ON HEADING 094.55 TO 1220, THEN ON HEADING 300.00 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 23:** CLIMB ON HEADING 232.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THENCE...

**TAKEOFF RWY 27:** CLIMB ON HEADING 274.56 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THENCE...

...ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**ANN ARBOR MUNI (ARB):**

**TAKEOFF RWY 6:** CLIMB ON HEADING 059.53 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 24:** CLIMB ON HEADING 239.53 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**COLEMAN A YOUNG MUNI (DET):**

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| LIDDS          | FOUR          | LIDDS4.LIDDS            | THREE                    | 05/16/2024   | 17 APR 2025                  |

**TAKEOFF RWY 15:** CLIMB ON HEADING 148.32 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 33:** CLIMB ON HEADING 328.33 TO 1800 THEN AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**CUSTER (TTF):**

**TAKEOFF RWY 3:** CLIMB ON HEADING 027.49 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 21:** CLIMB ON HEADING 207.50 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**GROSSE ILE MUNI (ONZ):**

**TAKEOFF RWY 4:** CLIMB ON HEADING 037.34 TO 1200 THEN AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 17:** CLIMB ON HEADING 173.78 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 22:** CLIMB ON HEADING 217.34 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 35:** CLIMB ON HEADING 005.78 TO 1800 THEN AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**LIVINGSTON COUNTY SPENCER J HARDY (OZW):**

**TAKEOFF RWY 13:** CLIMB ON HEADING 132.35 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 31:** CLIMB ON HEADING 312.36 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**OAKLAND COUNTY INTL (PTK):**

**TAKEOFF RWY 9L:** CLIMB ON HEADING 094.66 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 9R:** CLIMB ON HEADING 094.63 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 27L:** CLIMB ON HEADING 274.65 OR AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 27R:** CLIMB ON HEADING 274.68 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**OAKLAND/TROY (VLL):**

**TAKEOFF RWY 10:** CLIMB ON HEADING 095.71 TO 1400 THEN AS ASSIGNED BY ATC, THENCE...

**TAKEOFF RWY 28:** CLIMB ON HEADING 275.72 TO 1500 THEN AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**SELFRIDGE ANGB (MTC):**

**TAKEOFF RWY 1:** CLIMB ON HEADING 007.47 OR AS ASSIGNED BY ATC, THENCE...



TAKEOFF RWY 19: CLIMB ON HEADING 187.47 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO CROSS KZLOV AT OR BELOW 15000, THEN ON TRACK 110.95 TO LIDDS, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

| TRANSITION NAME | TRANSITION<br>COMPUTER CODE | FROM<br>FIX/NAVAID | TO<br>FIX/NAVAID | COURSE       | DISTANCE | MEA   | MOCA | CROSSING<br>ALTITUDE/FIXES |
|-----------------|-----------------------------|--------------------|------------------|--------------|----------|-------|------|----------------------------|
| GRIVY           | LIDDS4.GRIVY                | LIDDS              | NOONR            | TRACK 110.72 | 19.56    | 10000 | 2200 |                            |
|                 |                             | NOONR              | ZEYOU            | TRACK 148.78 | 19.08    | 10000 | 1800 |                            |
|                 |                             | ZEYOU              | GRIVY            | TRACK 150.65 | 46.33    | 10000 | 2700 |                            |

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.  
RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

PROCEDURAL DATA NOTES:

NOTE: TURBOJET DEPARTURES AT/ABOVE 10000, MAINTAIN 280K UNTIL ADVISED BY ATC.

TAKEOFF MINIMUMS:

DETROIT METRO WAYNE COUNTY (DTW):

RWY 27L, 27R: STANDARD.  
RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1146

WILLOW RUN (YIP):

RWY 23: STANDARD.  
RWY 5, 9: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1220.  
RWY 27: STANDARD WITH MINIMUM CLIMB OF 209 FT/NM TO 1000.

ANN ARBOR MUNI (ARB):

RWY 12, 30: NA - ENVIRONMENTAL.  
RWY 6, 24: STANDARD.

COLEMAN A YOUNG MUNI (DET):

RWY 15, 33: STANDARD.

CUSTER (TTF):

RWY 3, 21: STANDARD.

GROSSE ILE MUNI (ONZ):

RWY 4, 17, 22: STANDARD.  
RWY 35: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1100.

LIVINGSTON COUNTY SPENCER J HARDY (OZW):

RWY 13, 31: STANDARD.

OAKLAND COUNTY INTL (PTK):

RWY 18, 36: NA - ENVIRONMENTAL



RWY 9L, 9R, 27L, 27R: STANDARD.

OAKLAND/TROY (VLL):  
RWY 10: STANDARD.  
RWY 28: STANDARD WITH MINIMUM CLIMB OF 476 FT/NM TO 1500.

SELFRIDGE ANGB (MTC):  
RWY 1: STANDARD.  
RWY 19: STANDARD WITH MINIMUM CLIMB OF 235 FT/NM TO 1500.

TAKEOFF OBSTACLES NOTES:  
SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:  
WILLOW RUN (YIP):  
RWY 27: 903 FT MSL TOWER 421431.80N/0833411.49W.

COLEMAN A YOUNG MUNI (DET):  
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:  
RWY 33: 1749 FT MSL TOWER 422653.00N/0831023.00W.

GROSSE ILE MUNI (ONZ):  
RWY 35: 1146 FT MSL STACK 420718.61N/0831050.62W.

OAKLAND/TROY (VLL):  
RWY 28: 905 FT MSL BUILDING 423232.54N/0831234.07W.  
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:  
RWY 10, 28: 1724 FT MSL TOWER 422858.46N/0831218.94W.

SELFRIDGE ANGB (MTC):  
RWY 19: 1246 FT MSL TOWER 423312.00N/0825315.00W.

MSA:  
DTW: MSA FROM DTW, 2800.  
YIP: MSA FROM YIP, 3000.  
ARB: MSA FROM ARB, 3000.  
DET: MSA FROM DET, 2800.  
TTF: MSA FROM TTF, 3100.  
ONZ: MSA FROM ONZ, 3100.  
OZW: MSA FROM OZW, 3000.  
PTK: MSA FROM PTK, 2900.  
VLL: MSA FROM VLL, 2900.  
MTC: MSA FROM MTC, 2800.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:  
DME/DME ASSESSMENT: SAT (RNP 2.0)  
AIRPORT MV: DTW (P) 7W/2020, ARB 5W/1985, DET 5W/1980, MTC 6W/1985, ONZ 7W/2010, OZW 5W/1990, PTK 7W/2020, TTF 5W/1980, VLL 6W/1995, YIP 6W/1995.  
DETROIT METRO WAYNE COUNTY - CHART: TOP ALTITUDE: 17000  
ALL OTHER AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
CHART SPEED ICON MAXIMUM 230 KIAS AT BESST.

AIRPORTS SERVED:

| AIRPORT ID | CITY | STATE | QUALITY<br>16<br>CHECKED |
|------------|------|-------|--------------------------|
|------------|------|-------|--------------------------|

| NO. 024 |        | 02/06/2025         |                   | 43         |                       |
|---------|--------|--------------------|-------------------|------------|-----------------------|
| DP NAME | NUMBER | DP COMPUTER CODE   | SUPERSEDED NUMBER | DATED      | ACTUAL EFFECTIVE DATE |
| LIDDS   | FOUR   | LIDDS4.LIDDS       | THREE             | 05/16/2024 | 17 APR 2025           |
| DTW     |        | DETROIT            |                   |            | MI                    |
| YIP     |        | DETROIT            |                   |            | MI                    |
| ARB     |        | ANN ARBOR          |                   |            | MI                    |
| DET     |        | DETROIT            |                   |            | MI                    |
| TTF     |        | MONROE             |                   |            | MI                    |
| ONZ     |        | DETROIT/GROSSE ILE |                   |            | MI                    |
| OZW     |        | HOWELL             |                   |            | MI                    |
| PTK     |        | PONTIAC            |                   |            | MI                    |
| VLL     |        | TROY               |                   |            | MI                    |
| MTC     |        | MOUNT CLEMENS      |                   |            | MI                    |

**COMMUNICATIONS:**

**CHART:** ATIS, AWOS/ASOS, CLNC DEL, GND CON, TWR, CTAF, CPDLC.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

1. 100 FT MAXIMUM VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST.
2. WAIVER ON FILE: TO NOT CHART IF ALTITUDE AT IF FOR RADAR VECTORS.
3. WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 8260.58C PARAGRAPH 1-2-5.C.(3), MAXIMUM BANK ANGLE" DATED 01/31/2023.
4. CHANGES TO THIS PROCEDURE MUST BE COORDINATED WITH NAVCANADA, AERONAUTICAL INFORMATION MANAGEMENT (AIM), AIMDATA@NAVCANADA.CA (CURRENT POC IS CHARLES SIMARD, 613-248-3819, SIMACHA@NAVCANADA.CA).
5. ATC APPROVAL FOR 45 DEGREE MAX INTERCEPT AT FIX KZLOV ABOVE FL245.
6. **DTW CHART NOTE:** SEE ADDITIONAL REQUIREMENTS ON AAUP.
7. DTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES.
8. YIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW.
9. MEA BASED ON LOWEST DME/DME COVERAGE.
10. ABBREVIATED AMENDMENT.

**FLIGHT INSPECTED BY**

**SIGNATURE**

**OFFICE**

**DATE**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021  
GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 30, 2024

**DEVELOPED BY**

**SIGNATURE**

**OFFICE**

**DATE**

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 30, 2024

AJV-A432

10/09/2024

**APPROVED BY**

**SIGNATURE**

**OFFICE**

**DATE**

**TITLE**  
MANAGER

CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 30, 2024

AJV-A432



| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| LIDDS          | FOUR          | LIDDS4.LIDDS            | THREE                    | 05/16/2024   | 17 APR 2025                  |

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:**ZOB, DTW APP CON, AMGR, NAVCANADA

**CHANGES - REASONS:**

1. DP ROUTE DESCRIPTION: REPLACED ALL KZLOV REFERENCES FROM "TO KZLOV" TO "TO CROSS KZLOV AT OR BELOW 15000" - ATC REQUESTED AT OR BELOW 15000 RESTRICTION TO SEPARATE DEPARTURES FROM CLEVELAND TERMINAL AREA ARRIVALS.
2. REMARKS: ADDED "ABBREVIATED AMENDMENT" - IAW 8260.46J, APPENDIX E.2.Q.(E).
3. K PREFIX REMOVED FROM AIRPORT ID'S - IAW WITH CURRENT DOCUMENTATION STANDARDS.

01/22/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/30/2024.  
GRIVY TRANSITION COMPUTER CODE: CHANGED LIDDS3.GRIVY TO LIDDS4.GRIVY.



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

| <u>DP NAME</u>                   |                         | <u>NUMBER</u> |              | <u>DP COMPUTER CODE</u> |           | <u>SUPERSEDED NUMBER</u> |                 | <u>DATED</u>  | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------------------------|-------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|---------------|------------------------------|
| LIDDS                            |                         | FOUR          |              | LIDDS4.LIDDS            |           | THREE                    |                 | 05/16/2024    | 17 APR 2025                  |
| <u>FIX/NAVAID</u>                | <u>LAT/LONG</u>         | <u>C</u>      | <u>FO/FB</u> | <u>LEG TYPE</u>         | <u>TC</u> | <u>DIST (NM)</u>         | <u>ALTITUDE</u> | <u>SPEED</u>  | <u>REMARKS</u>               |
| DETROIT METRO WAYNE COUNTY (DTW) |                         |               |              |                         |           |                          |                 |               |                              |
| RW03L (AER)                      | 421228.21N/0832104.39W  | N             | -            | -                       | -         | -                        |                 |               |                              |
| -                                | 421436.03N/0831930.16W  | -             | -            | VI                      | 028.71    | 2.43                     |                 |               | CG 500 FT/NM TO 1146         |
| BESST                            | 421656.69N/0831321.04W  | Y             | FB           | CF                      | 062.88    | 5.13                     | AT/ABOVE 2500   | AT/BELOW 230K |                              |
| SWNDL                            | 421255.80N/0830422.44W  | Y             | FB           | TF                      | 121.00    | 7.78                     | AT/BELOW 7000   |               |                              |
| KZLOV                            | 420424.81N/0824407.44W  | Y             | FB           | TF                      | 119.36    | 17.30                    | AT/BELOW 15000  |               |                              |
|                                  |                         |               |              |                         |           |                          |                 |               |                              |
| RW03R (AER)                      | 421144.21N/0832106.49W  | N             | -            | -                       | -         | -                        |                 |               |                              |
| -                                | 421404.99N/0831922.74W  | -             | -            | VI                      | 028.71    | 2.67                     |                 |               | CG 500 FT/NM TO 1146         |
| BESST                            | 421656.69N/0831321.04W  | Y             | FB           | CF                      | 057.45    | 5.31                     | AT/ABOVE 2500   | AT/BELOW 230K |                              |
| SWNDL                            | 421255.80N/0830422.44W  | Y             | FB           | TF                      | 121.00    | 7.78                     | AT/BELOW 7000   |               |                              |
| KZLOV                            | 420424.81N/0824407.44W  | Y             | FB           | TF                      | 119.36    | 17.30                    | AT/BELOW 15000  |               |                              |
|                                  |                         |               |              |                         |           |                          |                 |               |                              |
| RW04L (AER)                      | 421207.82N/0832302.40W  | N             | -            | -                       | -         | -                        |                 |               |                              |
|                                  | 421427.54N/0832119.53W  | -             | -            | VI                      | 028.68    | 2.65                     |                 |               | CG 500 FT/NM TO 1146         |
| BESST                            | 421656.69N/0831321.04W  | Y             | FB           | CF                      | 067.28    | 6.42                     | AT/ABOVE 2500   | AT/BELOW 230K |                              |
| SWNDL                            | 421255.80N/0830422.44W  | Y             | FB           | TF                      | 121.00    | 7.78                     | AT/BELOW 7000   |               |                              |
| KZLOV                            | 420424.81N/0824407.44W  | Y             | FB           | TF                      | 119.36    | 17.30                    | AT/BELOW 15000  |               |                              |
|                                  |                         |               |              |                         |           |                          |                 |               |                              |
| RW04R (AER)*                     | 421212.78N/0832213.32W* | N             | -            | -                       | -         | -                        |                 |               | *DISPL THLD (509 FT)         |
| -                                | 421446.08N/0832020.37W  | -             | -            | VI                      | 028.70    | 2.91                     |                 |               | CG 500 FT/NM TO 1146         |

QUALITY  
16  
CHECKED

| <u>DP NAME</u> |                        |   |    |    |        | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u>         | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|------------------------|---|----|----|--------|---------------|-------------------------|--------------------------|----------------------|------------------------------|
| LIDDS          |                        |   |    |    |        | FOUR          | LIDDS4.LIDDS            | THREE                    | 05/16/2024           | 17 APR 2025                  |
| BESST          | 421656.69N/0831321.04W | Y | FB | CF | 067.29 | 5.63          | AT/ABOVE 2500           | AT/BELOW 230K            |                      |                              |
| SWNDL          | 421255.80N/0830422.44W | Y | FB | TF | 121.00 | 7.78          | AT/BELOW 7000           |                          |                      |                              |
| KZLOV          | 420424.81N/0824407.44W | Y | FB | TF | 119.36 | 17.30         | AT/BELOW 15000          |                          |                      |                              |
|                |                        |   |    |    |        |               |                         |                          |                      |                              |
| RW21L (AER)    | 421310.86N/0832002.65W | N | -  | -  | -      | -             |                         |                          | CG 500 FT/NM TO 1146 |                              |
| -              | 421050.18N/0832146.27W | - | -  | VI | 208.72 | 2.67          |                         |                          |                      |                              |
| JOELU          | 420213.33N/0832116.60W | Y | FB | CF | 177.56 | 8.62          |                         |                          |                      |                              |
| YIMMY          | 420046.57N/0831114.47W | Y | FB | TF | 100.88 | 7.62          | AT/BELOW 7000           |                          |                      |                              |
| HWARD          | 420130.79N/0830553.79W | Y | FB | TF | 079.49 | 4.05          | AT/BELOW 9000           |                          |                      |                              |
| KZLOV          | 420424.81N/0824407.44W | Y | FB | TF | 079.75 | 16.48         | AT/BELOW 15000          |                          |                      |                              |
|                |                        |   |    |    |        |               |                         |                          |                      |                              |
| RW21R (AER)    | 421341.86N/0832010.11W | N | -  | -  | -      | -             |                         |                          | CG 500 FT/NM TO 1146 |                              |
| -              | 421134.42N/0832144.00W | - | -  | VI | 208.72 | 2.42          |                         |                          |                      |                              |
| JOELU          | 420213.33N/0832116.60W | Y | FB | CF | 177.92 | 9.35          |                         |                          |                      |                              |
| YIMMY          | 420046.57N/0831114.47W | Y | FB | TF | 100.88 | 7.62          | AT/BELOW 7000           |                          |                      |                              |
| HWARD          | 420130.79N/0830553.79W | Y | FB | TF | 079.49 | 4.05          | AT/BELOW 9000           |                          |                      |                              |
| KZLOV          | 420424.81N/0824407.44W | Y | FB | TF | 079.75 | 16.48         | AT/BELOW 15000          |                          |                      |                              |
|                |                        |   |    |    |        |               |                         |                          |                      |                              |
| RW22L (AER)    | 421352.36N/0832059.97W | N | -  | -  | -      | -             |                         |                          | CG 500 FT/NM TO 1146 |                              |
| -              | 421114.77N/0832256.02W | - | -  | VI | 208.71 | 2.99          |                         |                          |                      |                              |
| JOELU          | 420213.33N/0832116.60W | Y | FB | CF | 172.22 | 9.10          |                         |                          |                      |                              |
| YIMMY          | 420046.57N/0831114.47W | Y | FB | TF | 100.88 | 7.62          | AT/BELOW 7000           |                          |                      |                              |
| HWARD          | 420130.79N/0830553.79W | Y | FB | TF | 079.49 | 4.05          | AT/BELOW 9000           |                          |                      |                              |
| KZLOV          | 420424.81N/0824407.44W | Y | FB | TF | 079.75 | 16.48         | AT/BELOW 15000          |                          |                      |                              |





| DP NAME          |                        | NUMBER |    | DP COMPUTER CODE |        | SUPERSEDED NUMBER |                | DATED      |                          | ACTUAL EFFECTIVE DATE |  |
|------------------|------------------------|--------|----|------------------|--------|-------------------|----------------|------------|--------------------------|-----------------------|--|
| LIDDS            |                        | FOUR   |    | LIDDS4.LIDDS     |        | THREE             |                | 05/16/2024 |                          | 17 APR 2025           |  |
| RW22R (AER)      | 421334.48N/0832158.61W | N      | -  | -                | -      | -                 |                |            | CG 500 FT PER NM TO 1146 |                       |  |
| -                | 421115.08N/0832341.20W | -      | -  | VI               | 208.69 | 2.65              |                |            |                          |                       |  |
| JOELU            | 420213.33N/0832116.60W | Y      | FB | CF               | 168.77 | 9.20              |                |            |                          |                       |  |
| YIMMY            | 420046.57N/0831114.47W | Y      | FB | TF               | 100.88 | 7.62              | AT/BELOW 7000  |            |                          |                       |  |
| HWARD            | 420130.79N/0830553.79W | Y      | FB | TF               | 079.49 | 4.05              | AT/BELOW 9000  |            |                          |                       |  |
| KZLOV            | 420424.81N/0824407.44W | Y      | FB | TF               | 079.75 | 16.48             | AT/BELOW 15000 |            |                          |                       |  |
|                  |                        |        |    |                  |        |                   |                |            |                          |                       |  |
| RW27L (AER)      | 421158.34N/0831949.33W | N      | -  | -                | -      | -                 |                |            |                          |                       |  |
|                  |                        |        |    | VM               | 268.73 | -                 |                |            |                          |                       |  |
|                  |                        |        |    |                  |        |                   |                |            |                          |                       |  |
| RW27R (AER)      | 421303.02N/0831951.71W | N      | -  | -                | -      | -                 |                |            |                          |                       |  |
|                  |                        |        |    | VM               | 268.72 | -                 |                |            |                          |                       |  |
|                  |                        |        |    |                  |        |                   |                |            |                          |                       |  |
| WILLOW RUN (YIP) |                        |        |    |                  |        |                   |                |            |                          |                       |  |
| RW05 (AER)       | 421350.25N/0833223.46W | N      | -  | -                | -      | -                 |                |            |                          |                       |  |
| 1220 MSL         | -                      | -      | -  | VA               | 046.70 | -                 | AT/ABOVE 1220  |            | CG 500 FT PER NM TO 1220 |                       |  |
| -                | -                      | -      | -  | VM               | 294.00 | -                 |                |            |                          |                       |  |
|                  |                        |        |    |                  |        |                   |                |            |                          |                       |  |
| RW09 (AER)       | 421438.22N/0833235.98W | N      | -  | -                | -      | -                 |                |            |                          |                       |  |
| 1220 MSL         | -                      | -      | -  | VA               | 088.55 | -                 | AT/ABOVE 1220  |            | CG 500 FT PER NM TO 1220 |                       |  |
| -                | -                      | -      | -  | VM               | 294.00 | -                 |                |            |                          |                       |  |
|                  |                        |        |    |                  |        |                   |                |            |                          |                       |  |
| RW23 (AER)       | 421441.34N/0833110.47W | N      | -  | -                | -      | -                 |                |            |                          |                       |  |
| -                | -                      | -      | -  | VM               | 226.72 | -                 |                |            |                          |                       |  |
|                  |                        |        |    |                  |        |                   |                |            |                          |                       |  |

QUALITY

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| <u>DP NAME</u> |                        | <u>NUMBER</u> |    | <u>DP COMPUTER CODE</u> |        | <u>SUPERSEDED NUMBER</u> |                | <u>DATED</u>             | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|------------------------|---------------|----|-------------------------|--------|--------------------------|----------------|--------------------------|------------------------------|
| LIDDS          |                        | FOUR          |    | LIDDS4.LIDDS            |        | THREE                    |                | 05/16/2024               | 17 APR 2025                  |
| RW27 (AER)     | 421439.47N/0833129.51W | N             | -  | -                       | -      | -                        |                |                          |                              |
| -              | -                      | -             | -  | VM                      | 268.56 | -                        |                | CG 209 FT PER NM TO 1000 |                              |
|                |                        |               |    |                         |        |                          |                |                          |                              |
| KZLOV          | 420424.81N/0824407.44W | Y             | -  | IF                      | -      | -                        | AT/BELOW 15000 |                          |                              |
| LIDDS          | 420154.21N/0823038.74W | Y             | FB | TF                      | 103.95 | 10.35                    |                |                          |                              |
|                |                        |               |    |                         |        |                          |                |                          |                              |
| LIDDS          | 420154.21N/0823038.74W | Y             | -  | IF                      | -      | -                        |                | LIDDS4.GRIVY             |                              |
| NOONR          | 415712.96N/0820511.04W | Y             | FB | TF                      | 103.72 | 19.56                    |                |                          |                              |
| ZEYOU          | 414212.20N/0814925.71W | Y             | FB | TF                      | 141.78 | 19.08                    |                |                          |                              |
| GRIVY          | 410446.28N/0811306.60W | Y             | FB | TF                      | 143.65 | 46.33                    |                |                          |                              |

